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09/831,830	08/31/2001	Hisashi Takayama	TAKAYAMA 4	9491

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EXAMINER

GRAHAM, CLEMENT B

ART UNIT

PAPER NUMBER

3692

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Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/831,830	TAKAYAMA ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Clement B. Graham	3628	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 8/31/01.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-35 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-35 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-20, are rejected under 35 U.S.C. 102(e) as being anticipated by Matsumoto et al (Hereinafter Matsumoto U.S 6, 345, 263).

As per claim 1, Matsumoto discloses means for storing and managing electronic information including a specific private key and its mating certificate and information signed by said private key. (see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57).

As per claim 2, Matsumoto wherein information signed by said private key is variable information. (see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57).

As per claim 3, Matsumoto further comprising:  
information signed by the issuer of said electronic information. (see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57).

As per claim 4, Matsumoto wherein information signed by said private key is variable information, and further comprising:  
fixed information signed by the issuer of said electronic information. (see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57).

As per claim 5, Matsumoto wherein information signed by said private key is variable information, and further comprising:

Art Unit: 3628

fixed information signed by the issuer of said electronic information and presentation control information, wherein presentation data is generated by using all those three types of information. (see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57).

As per claim 6, Matsumoto wherein information signed by said private key is variable information, and further comprising:  
fixed information signed by the issuer of said electronic information and information for obtaining presentation control information. (see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57).

As per claim 7, Matsumoto wherein information signed by said private key is variable information, and further comprising:  
fixed information signed by the issuer of said electronic information and information for obtaining the presentation resource signed or not signed by the issuer of the electronic information, wherein presentation data is generated by using all those three types of information. (see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57).

As per claim 8, Matsumoto wherein information signed by said private key is variable information, and further comprising:  
fixed information signed by the issuer of said electronic information and information for obtaining the presentation resource signed or not signed by the issuer of the electronic information. (see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57).

As per claim , Matsumoto wherein information signed by said private key is variable information, and further comprising:  
fixed information and authentication key of electronic information handler, both signed by the issuer of said electronic information, wherein said electronic information handler performs the transaction processing with a terminal having electronic information. (see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57).

Art Unit: 3628

As per claim 10, Matsumoto wherein information signed by said private key is variable information, and further comprising: fixed information and service control information, both signed by the issuer of said electronic information, wherein said service control information defines the transaction processing performed by the electronic information. (see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57).

As per claim 11, Matsumoto discloses further comprising: means for generating an electronic information object from electronic information, said electronic information object including a private key and the certificate thereof as internal variable. (see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57).

As per claim 12, Matsumoto discloses further comprising: means for generating electronic information object from electronic information and for controlling said electronic information, wherein said electronic information object embeds the transaction processing data on the basis of said service control information into each message to be exchanged during the transaction. (see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57).

As per claim 13, Matsumoto discloses wherein the service control information is comprised of a combination of service control modules information. (see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57).

As per claim 14, Matsumoto discloses wherein message to be embedded into the service control information by the electronic information object requests to the electronic information handler the transaction process from the electronic information object. (see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57).

As per claim 15, Matsumoto discloses wherein message to be embedded into the service control information by the electronic information object instructs

Art Unit: 3628

the electronic information object to update the propertyvalue from the electronic information handler. (see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57).

As per claim 16, Matsumoto discloses wherein message to be embedded into the service control information by the electronic information object presents the update result of the property value from the electronic information object to the electronic information handler.

As per claim 17 Matsumoto discloses wherein message to be embedded into the service control information by the electronic information object is a message corresponding to a receipt for the electronic information. (see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57).

As per claim 18, Matsumoto discloses a service terminal, comprising means for storing and managing an electronic information handler having fixed information and an authentication key of electronic information object, both signed by the issuer of the electronic information handler. (see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57).

As per claim 19, Matsumoto discloses a service terminal, comprising means for storing and managing an electronic information handler having fixed information and service control information and authentication key of electronic information object, all signed by the issuer of the electronic information handler.

As per claim 20, Matsumoto discloses wherein said service control information forming said electronic information handler is a combination of service control modules information. (see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57).

As per claim 21, Matsumoto discloses further comprising: means for generating an electronic information handler object from said electronic information handler to control said electronic information handler. (see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57).

Art Unit: 3628

As per claim 22, Matsumoto discloses wherein said electronic information handler object of said electronic information handler embeds the transaction processing data on the basis of said service control information into each message to be exchanged during the transaction processing. (see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57).

As per claim 23, Matsumoto discloses wherein the electronic information handler object of said electronic information handler embeds the transaction processing data on the basis of said combination of service control modules information into each message to be exchanged during the transaction processing. (see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57).

As per claim 24, Matsumoto discloses wherein messages carrying the transaction data by the electronic information handler object of said electronic information handler include a message for requesting the transaction processing from the electronic information to the electronic (see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57) information handler, a message for instructing the update of property value from the electronic information handler to the electronic information, a message for presenting the update result of property value from the electronic information to the electronic information handler, and a message corresponding to a receipt from the electronic information handler to the electronic information. (see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57).

As per claim 25, Matsumoto discloses a method for generating electronic information, comprising the steps of:  
generating a private key specific to the electronic information and variable information; and

Art Unit: 3628

digitally signing said variable information with said specific private key. (see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57).

As per claim 26, Matsumoto discloses a method for generating electronic information, comprising the steps of:  
generating a private key specific to the electronic information, variable information, and fixed information; digitally signing said variable information with said specific private key; and  
digitally signing said fixed information by the issuer of electronic information. (see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57).

As per claim 27, Matsumoto discloses a method for generating electronic information, comprising the steps of:  
generating a private key specific to the electronic information, variable information, fixed information, presentation control information, and presentation resource;  
digitally signing said variable information with said specific private key; and  
digitally signing said fixed information, identifier information of said presentation control information and identifier information of said presentation resource information by the issuer of electronic information. (see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57).

As per claim 28, Matsumoto discloses a method for generating electronic information, comprising the steps of:  
generating a private key specific to the electronic information, variable information, fixed information, service control information, presentation control information, and presentation resource(see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57)  
digitally signing said variable information with said specific private key; and



Art Unit: 3628

digitally signing said fixed information, said service control information, identifier information of said presentation control information and identifier information of said presentation resource information by the issuer of electronic information. (see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57).

As per claim 29, Matsumoto discloses further comprising the steps of generating the presentation control information and presentation resource of the electronic information in correspondence with the property of an electronic wallet; and digitally signing said presentation control information by the issuer thereof. (see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57).

As per claim 30, Matsumoto discloses 30. A communication method, comprising the steps of: providing at least two or more wireless communication means, first wireless communication means being used for obtaining an initiation message from the other party's device(see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57) second wireless communication means being used for selecting a device indicated by the identifier information of said other party's device included in said initiation message; establishing a communication session with said other party's device; and starting communication by means of said second wireless communication means. (see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57).

As per claim 31, Matsumoto discloses further comprising the steps of: including the identifier information of communication session arbitrary configured by the other party's device along with the identifier information of said other party's device in the initiation message and authenticating by means of the identifier information of said communication session at the time when said second wireless communication means establishes a communication session with the other party's device. (see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57).

Art Unit: 3628

As per claim 32, Matsumoto discloses a communication method, comprising the steps of: providing at least two or more wireless communication means(see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57) first wireless communication means being used for sending an initiation message including the identifier information of sender to the other party's device; establishing a communication session with said other party's device in response to a communication session establishment request from said other party's device by means of second wireless communication means; and starting communication by means of said second wireless communication means. (see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57).

As per claim 33, Matsumoto discloses further comprising the steps of: including the identifier information of communication session arbitrary configured along with the identifier information of sender in the initiation message; and authenticating by means of the identifier information of said communication session at the time when said second wireless communication means establishes a communication session with the other party's device. (see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57).

As per claim 34, Matsumoto discloses a communication method, comprising the steps of: providing at least two or more wireless communication means, first wireless communication means being used for exchange initiation messages including the identifier information of sender to each other(see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57) authenticating the other party's device by checking the identifier information of the other party's device included in the initiation message, in response to the communication session establishment request by means of second wireless communication means from the other party's device to which said initiation messages were exchanged(see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57). and

Art Unit: 3628

establishing a communication session with said other party's device to start communication by means of said second wireless communication means. (see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57).

As per claim 35, Matsumoto discloses further comprising the steps of: including the identifier information of a wireless communication means to be used as second wireless communication means in the initiation message(see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57) using the wireless communication means indicated by said identifier information for the second wireless communication means to establish a communication session with the other party's device; and starting communication by means of said second wireless communication method. (see column 1 lines 1-67 and column 2 lines 1-44 and column 3-7 lines 1-67 and column 8 lines 1-57).

### **Conclusion**

3. The prior art of record and not relied upon is considered pertinent to Applicants disclosure.

Liddy Eder (US Patent 6, 026, 388) teaches user interface and other enhancements for natural language information retrieval system and method.

Kohorn US PATENT: 5, 508, 731) teaches generation of enlarged participatory broadcast audience.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Clement B Graham whose telephone number is 703-305-1874. The examiner can normally be reached on 7am to 5pm.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hyung S. Souh can be reached on 703-308-0505. The fax phone numbers for the organization where this application or proceeding is assigned are 703-305-0040 for regular communications and 703-305-0040 for After Final communications.

Art Unit: 3628

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

CG

Sept 14, 2006

  
FRANTZY POINVIL  
PRIMARY EXAMINER  
*A43628*